

WHAT IS CLAIMED IS:

1. An adaptive information compression system comprising:
means for evaluating segments of a radio frequency signal to determine
which segments are active, each segment representing a specific channel at a
specific frequency;
means, responsive to said means for evaluating, for reformatting the active
segments into a contiguous order in a signal with a lower bandwidth than said
radio frequency signal.
2. The system of claim 1, wherein said means for evaluating
comprises:
means for calculating a power value for each of said segments; and
means for comparing the power of each of said segments to a
predetermined threshold value.
3. The system of claim 1, further comprising:
means for recreating said radio frequency signal by modulating each of
said active segments on their respective specific frequencies.
4. A method for adaptive information compression comprising:
evaluating segments of a radio frequency signal to determine which
segments are active, each segment representing a specific channel at a specific
frequency; and
based on said evaluating, reformatting the active segments into a
contiguous order in a signal with a lower bandwidth than said radio frequency
signal.

5. The method of claim 4, wherein said step of reformatting further comprises:

calculating a power value for each of said segments; and
comparing the power of each of said segments to a predetermined threshold
5 value.

6. The method of claim 4, further comprising:
recreating said radio frequency signal by modulating each of said active
segments on their respective specific frequencies.